TORQ Analysis of Hoist and Winch Operators to Sawing Machine Setters, Operators, and Tenders, Wood

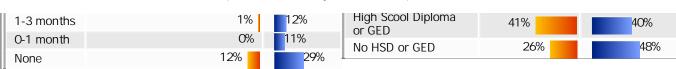
				INI	PUT SI	ECTIC	ON:						
Transfer	Title				O* NET		Filters						
From Title:	Hoist and Winch Operators				53-70	41.00	Abi	lities:	Imp	ortance eL: 50		Weight:	
To Title:	Sawir and T	ng Mac enders	hine Se	tters, Ope	erators,	51-70	41.00	Ski	lls:	Imp	ortance eL: 69		Weight:
Labor Market Area:		e State						Kno	owledge:	Imp	ortance el: 69		Weight: 1
OUTPUT SECTION:													
Grand 7	ΓOR	2:											84
Ability TORQ				Skills TO)RQ				Knowledge TORQ				
Level			87	Level			85	5	Level				79
Gaps To N	larrow i	f Possi	ble	Upgrade These Skills					Knowledge to Add				
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt		Knowledge Level Gap In			Impt	
Arm-Hand Steadiness	48	11	72	No Skill	s Upgrade	Required!			No Knov	wedge	e Upgrad	es Requ	iired!
Near Vision	46	7	62										
Oral Expression	48	7	56										
Deductive Reasoning	39	5	50										
Trunk Strength	41	4	53										
Category Flexibility	41	4	50										
Finger Dexterity	42	3	59										
				I									
Manual Dexterity	42	3	56										
	42 39	3	56 50										
Dexterity Inductive													
Dexterity Inductive Reasoning Selective	39	2	50										

LEVEL and IMPT (IMPORTANCE) refer to the Target Sawing Machine Setters, Operators, and Tenders, Wood. GAP refers to level difference between Hoist and Winch Operators and Sawing Machine Setters, Operators, and Tenders, Wood.

ASK ANALYSIS

Description	Hoist and Winch Operators	Sawing Machine Setters, Operators, and Tenders, Wood	Importance
Arm-Hand Steadiness	37	48	72
Control Precision	55	50	72
Near Vision	39	46	62
Finger Dexterity	39	42	59
Oral Comprehension	51	48	56
Oral Expression	41	48	56
Manual Dexterity	39	42	56
Problem Sensitivity	41	42	53
Multilimb Coordination	51	46	53
Trunk Strength	37	41	53
Deductive Reasoning	34	39	50
Inductive Reasoning	37	39	50
Category Flexibility	37	41	50
Selective Attention	39	41	50
Rate Control	37	34	50
Speech Clarity	34	35	50
Skill	Level Comparison - Abilities	with importance scores ov	ver 69
Description	Hoist and Winch Operators	Sawing Machine Setters, Operators, and Tenders, Wood	Importance
Operation and Control	73	53	7
Knowled	ge Level Comparison - Knowl	edge with importance scor	res over 69
Description	Hoist and Winch Operators	Sawing Machine Setters, Operators, and Tenders, Wood	Importance

Experience & Education Comparison							
Rela ⁻	ted Work Experience Compari	son	Required Edu	ucation Level Compa	ırison		
Description	Hoist and Winch Operators	Sawing Machine Setters, Operators, and Tenders,	Description Hoist and Winch Operators		Sawing Machine Setters, Operators, and Tenders, Wood		
		Wood	Doctoral	0%	0%		
10+ years	2%	1%	Professional Degree	0%	0%		
8-10 years	0%	0%	Post-Masters Cert	0%	0%		
6-8 years	0%	0%	Master's Degree	0%	0%		
4-6 years	21%	0%	Post-Bachelor Cert	0%	0%		
2-4 years	21%	8%	Bachelors	0%	0%		
1-2 years	29%	11%	AA or Equiv	0%	0%		
6-12	9%	13%	Some College	8%	1%		
months 3-6 months	1%	12%	Post-Secondary Certificate	23%	10%		



Hoist and Winch Operators

Sawing Machine Setters, Operators, and Tenders, Wood

Most Common Educational/Training Requirement:

Moderate-term on-the-job training

Moderate-term on-the-job training

Job Zone Comparison

2 - Job Zone Two: Some Preparation Needed

Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.

These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.

Employees in these occupations need anywhere from a few months to one year of working with experienced employees. 2 - Job Zone Two: Some Preparation Needed

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Tasks

Hoist and Winch Operators

Core Tasks

Generalized Work Activities:

- Repairing and Maintaining Mechanical Equipment - Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.
- Handling and Moving Objects Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Getting Information Observing, receiving, and otherwise obtaining information from all relevant sources.
- Operating Vehicles, Mechanized Devices, or Equipment - Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.
- Controlling Machines and Processes -Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).

Specific Tasks

Occupation Specific Tasks:

- Apply hand or foot brakes and move levers to lock hoists or winches.
- Attach, fasten, and disconnect cables or lines to loads, materials, and equipment, using hand tools.
- Climb ladders in order to position and setup vehicle-mounted derricks.

Sawing Machine Setters, Operators, and Tenders, Wood

Core Tasks

Generalized Work Activities:

- Controlling Machines and Processes -Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).
- Handling and Moving Objects Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Performing General Physical Activities -Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Monitor Processes, Materials, or Surroundings - Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.

Specific Tasks

Occupation Specific Tasks:

- Adjust bolts, clamps, stops, guides, and table angles and heights, using hand tools.
- Adjust saw blades, using wrenches and rulers, or by turning handwheels or pressing pedals, levers, or panel buttons.



- Move levers, pedals, and throttles in order to stop, start, and regulate speeds of hoist or winch drums in response to hand, bell, buzzer, telephone, loud-speaker, or whistle signals, or by observing dial indicators or cable marks.
- Move or reposition hoists, winches, loads and materials, manually or using equipment and machines such as trucks, cars, and hand trucks.
- Observe equipment gauges and indicators and hand signals of other workers in order to verify load positions and/or depths.
- Oil winch drums so that cables will wind smoothly.
- Operate compressed air, diesel, electric, gasoline, or steam-driven hoists or winches in order to control movement of cableways, cages, derricks, draglines, loaders, railcars, or skips.
- Repair, maintain, and adjust equipment, using hand tools.
- Select loads or materials according to weight and size specifications.
- Signal and assist other workers loading or unloading materials.
- Start engines of hoists or winches and use levers and pedals to wind or unwind cable on drums.
- Tend auxiliary equipment such as jacks, slings, cables, or stop blocks, in order to facilitate moving items or materials for further processing.

Detailed Tasks

Detailed Work Activities:

- inspect material moving equipment
- load, unload, or stack containers, materials, or products
- maintain or repair construction machinery or equipment
- operate cargo handling gear
- operate hoist, winch, or hydraulic boom
- operate material moving, loading, or unloading equipment
- perform safety inspections in construction or resource extraction setting
- set up specialized rigging
- use hand or power tools
- use measuring devices in construction or extraction work

- Olear machine jams, using nanu tools.
- · Count, sort, and stack finished workpieces.
- Cut grooves, bevels, and miters, saw curved or irregular designs, and sever or shape metals, according to specifications or work orders.
- Dispose of waste material after completing work assignments.
- Examine blueprints, drawings, work orders, or patterns to determine equipment set-up and selection details, procedures to be used, and dimensions of final products.
- Examine logs or lumber in order to plan the best cuts.
- Guide workpieces against saws, saw over workpieces by hand, or operate automatic feeding devices to guide cuts.
- Inspect and measure workpieces to mark for cuts and to verify the accuracy of cuts, using rulers, squares, or caliper rules.
- Inspect stock for imperfections and to estimate grades or qualities of stock or workpieces.
- Lubricate and clean machines, using wrenches, grease guns, and solvents.
- · Measure and mark stock for cuts.
- Monitor sawing machines, adjusting speed and tension and clearing jams to ensure proper operation.
- Mount and bolt sawing blades or attachments to machine shafts.
- Operate panelboards of saw and conveyor systems to move stock through processes, and to cut stock to specified dimensions.
- Position and clamp stock on tables, conveyors, or carriages, using hoists, guides, stops, dogs, wedges, and wrenches.
- Pull tables back against stops, and depress pedals to advance cutterheads that shape stock ends.
- Select saw blades, types and grades of stock, and cutting procedures to be used, according to work orders or supervisors' instructions.
- Set up, operate, or tend saws and machines that cut or trim wood to specified dimensions, such as circular saws, band saws, multiple-blade sawing machines, scroll saws, ripsaws, and crozer machines.
- Sharpen blades or replace defective or worn blades and bands, using hand tools.
- Trim lumber to straighten rough edges and remove defects, using circular saws.
- Unclamp and remove finished workpieces from tables.
- Unload and roll logs from trucks to sawmill decks or to carriages, or move logs in ponds, using pike poles.



Detailed Tasks

Detailed Work Activities:

- adjust production equipment/machinery setup
- clean equipment or machinery
- examine products or work to verify conformance to specifications
- fell or buck trees
- grade, classify, or sort products according to specifications
- inspect machinery or equipment to determine adjustments or repairs needed
- install equipment or attachments on machinery or related structures
- load or unload material or workpiece into machinery
- load, unload, or stack containers, materials, or products
- · maintain consistent production quality
- measure, weigh, or count products or materials
- move or fit heavy objects
- operate hoist, winch, or hydraulic boom
- operate woodworking equipment/machinery
- read blueprints
- · read specifications
- read technical drawings
- read work order, instructions, formulas, or processing charts
- recognize wood species characteristics
- set up production equipment or machinery
- sort manufacturing materials or products
- understand technical operating, service or repair manuals
- use chain saws
- use fire suppression equipment
- use hand or power tools
- use precision measuring tools or equipment

Labor Market Comparison Hoist and Winch Sawing Machine Setters, Operators, and Description Difference Operators Tenders, Wood Median Wage N/A \$ 24,790 N/A 10th Percentile Wage N/A \$ 18,890 N/A 25th Percentile Wage N/A N/A N/A 75th Percentile Wage N/A \$ 29,970 N/A



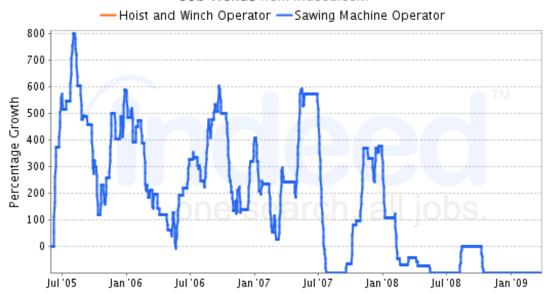
90th Percentile Wage	N/A	\$ 35,380	N/A
Mean Wage	N/A	\$ 25,920	N/A
Total Employment - 2007	N/A	700	N/A
Employment Base - 2016	N/A	765	N/A
Projected Employment - 2016	N/A	706	N/A
Projected Job Growth - 2006-2016	N/A	-7.7 %	N/A
Projected Annual Openings - 2006-2016	N/A	15	N/A

National Job Posting Trends

Trend for Hoist and Winch Operators

Trend for Sawing Machine Setters, Operators, and Tenders, Wood

Job Trends from Indeed.com



Data from Indeed

Recommended Programs

Cabinet Maker and Millworker

Cabinetmaking and Mllwork/Mllwright. A program that prepares individuals to apply technical knowledge and skills to set up, operate and repair industrial woodworking machinery, and to use such machinery to design and fabricate wooden components and complete articles.

No schools available for the program

Maine Statewide Promotion Opportunities for Hoist and Winch Operators

O* NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
53-7081.00	Refuse and Recyclable Material Collectors	85	2	930	\$22,780.00	\$22,780.00	1%	37
47-2071.00	Paving, Surfacing, and Tamping Equipment Operators	84	2	320	\$25, 520.00	\$25, 520.00	1%	7
51-7041.00	Sawing Machine Setters, Operators, and Tenders, Wood	84	2	700	\$24,790.00	\$24,790.00	-8%	15
51-9196.00	Paper Goods Machine Setters, Operators, and Tenders	84	2	910	\$38, 230.00	\$38, 230.00	-26%	23
51-4121.06	Welders, Cutters, and Welder Fitters	83	2	1,610	\$38,030.00	\$38,030.00	7%	49
51-9191.00	Cementing and Gluing Machine Operators and Tenders	83	1	80	\$27,620.00	\$27,620.00	-15%	2
47-5021.00	Earth Drillers, Except Oil and Gas	83	3	140	\$37,470.00	\$37,470.00	2%	4
53-7021.00	Crane and Tower Operators	83	3	240	\$41,940.00	\$41,940.00	-2%	4
51-9041.00	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	82	2	260	\$28, 330.00	\$28,330.00	-7%	5
53-7032.00	Excavating and Loading Machine and Dragline Operators	82	2	330	\$32,160.00	\$32,160.00	6%	8
37-3011.00	Landscaping and Groundskeeping Workers	82	1	4,040	\$24, 450.00	\$24, 450.00	12%	130
43-5041.00	Meter Readers, Utilities	82	1	90	\$31,240.00	\$31,240.00	-11%	3
51-7042.00	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	82	2	900	\$23,040.00	\$23,040.00	-12%	23
51-9122.00	Painters, Transportation Equipment	81	2	320	\$32,230.00	\$32, 230.00	2%	3
47-4051.00	Highway Maintenance Workers	81	2	2,210	\$28,790.00	\$28,790.00	7%	60



Top Industries for Sawing	g Machin	e Setters, O	perators, an	d Tenders, Wood	_
Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Other wood product manufacturing	321900	26.55%	17,269	17,901	3.66%
Sawmills and wood preservation	321100	25.90%	16,845	14,856	-11.81%
Veneer, plywood, and engineered wood product manufacturing	321200	12.25%	7,969	9,546	19.78%
Self-employed workers, primary job	000601	7.11%	4,624	5,419	17.19%
Wood kitchen cabinet and countertop manufacturing	337110	5. 97%	3,881	4,726	21.79%
Household and institutional furniture manufacturing	337120	5. 22%	3, 395	2,842	-16.30%
Office furniture (including fixtures) manufacturing	337200	3. 32%	2,159	2,233	3.43%
Lumber and other construction materials merchant wholesalers	423300	2.03%	1,317	1,664	26.35%
Building material and supplies dealers	444100	1.42%	922	1,296	40.57%
Employment services	561300	1.09%	708	985	39.22%
Self-employed workers, secondary job	000602	0.90%	584	640	9.51%
Motor vehicle parts manufacturing	336300	0.25%	163	143	-12.42%
Motor vehicle body and trailer manufacturing	336200	0.24%	157	169	7.63%
Management of companies and enterprises	551100	0.12%	80	102	26.80%

Top Industries for Hoist and Winch Operators								
Industry	NAICS	% in Industry	Employment	Projected Employment	% Change			
Support activities for water transportation	488300	9.78%	295	342	15.75%			
Logging	113310	8.08%	244	201	-17.33%			
Electric power generation, transmission and distribution	221100	6.64%	200	184	-8.03%			
Support activities for road transportation	488400	6. 46%	195	214	9.96%			
Cement and concrete product manufacturing	327300	4.04%	122	132	8.55%			
Sawmills and wood preservation	321100	3.60%	109	87	-19.82%			
Support activities for mining	213100	2.85%	86	81	-5.93%			
Nonmetallic mineral mining and quarrying	212300	2.04%	62	66	7.34%			
Local government, excluding education and hospitals	939300	2.03%	61	69	12.33%			